

Equipment Disconnect within Sight.

Listed Main Service
(See Unit 28 for Grounding and Bonding Requirements)?????

Outlets, lights, and switches shall be located at least 10 feet away from edge of pool and gfc'i protected.

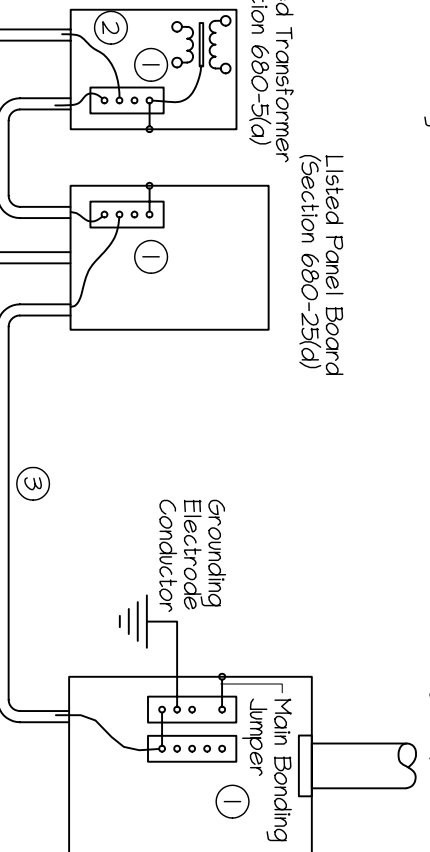
Bonding is not required when junction box is separated from pool by fence, wall or other permanent barrier.

Listed Junction Box
(Section 680-25(?))(a)

Not less than 8", if enclosure is for transformer, ground circuit, fault interrupter or other device, flush deck box permitted if for lighting systems of 15V or less. Junction box shall be supported as required in Article 310 NEC and shall be of copper, brass or other approved corrosion-resistant material.

Listed Transformer
(Section 680-5(a))

Listed Panel Board
(Section 680-25(d))



A separate insulated copper grounding conductor shall be run in the same conduit as the feeder. This conductor must be connected between the equipment grounding terminal at main service and the equipment grounding terminal of main panel board. Size per Table 250-95, but not smaller than No. 12. Section 680-25(d). For existing panel boards See Section 680-25(d). Exception No. 1.

A separate insulated copper grounding conductor sized according to the overcurrent device for the circuit shall ground transformer enclosure, junction box, or other enclosure directly without splice to the panel board grounding terminal. Section 680-25(?)

③ Pools Associated Motors shall be grounded with conductor sized per Table 250-95 but not smaller than No. 12

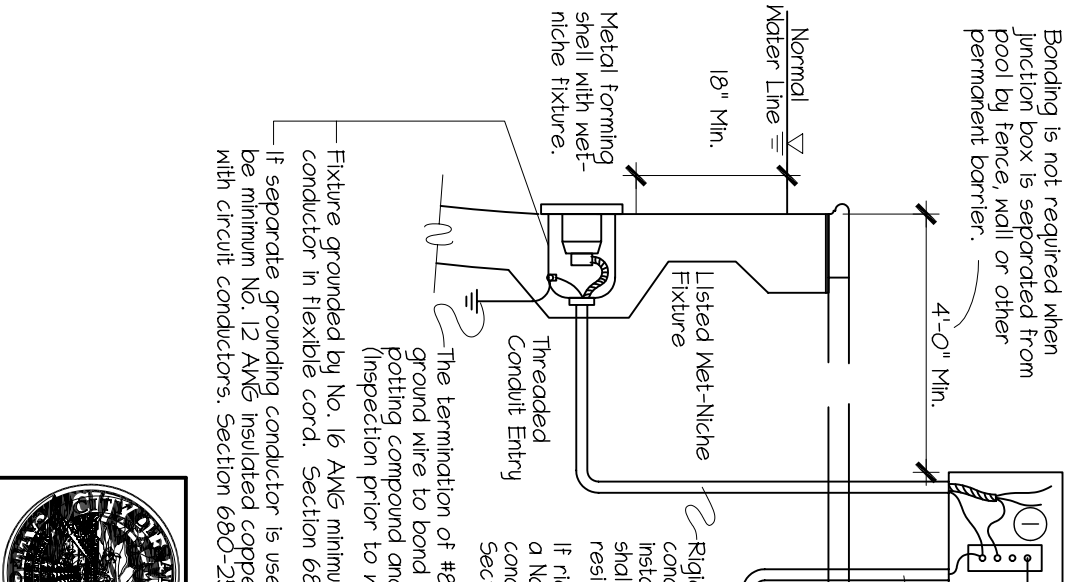
Rigid or intermediate metal conduit, rigid nonmetallic conduit, or type MC cable.

- ① Equipment Grounding Conductor Terminal
- ② Grounding Conductor between junction box and transformer must be sized according to the overcurrent device of the circuit, Section 680-25(?) (1), Exception 2.
- ③ This conduit shall be rigid or intermediate conduit, or rigid nonmetallic conduit, Section 680-25(d).

Rigid or intermediate metal or rigid nonmetallic conduit. May be electrical metallic tubing where installed on or within building. The metal conduit shall be brass or other approved corrosion resistant metal Section 680-25(?) (1). If rigid nonmetallic conduit is installed here, then a No. 8 AWG solid insulated copper grounding conductor must be installed in the conduit. Section 689-20(?) (1).

The termination of #8 AWG conductor to forming shell, ground wire to bond screw sealed with approved potting compound and GFCI protected. Section 680-20(b) (1) (Inspection prior to water in pool)

Fixture grounded by No. 16 AWG minimum copper conductor in flexible cord. Section 680-25(?) (3) If separate grounding conductor is used, it must be minimum No. 12 AWG insulated copper in conduit with circuit conductors. Section 680-25(?) (1)



POOL EQUIPMENT BONDING

HELP FOR THE HOMEOWNER

CITY OF SAN ANTONIO, BUILDING AND SAFETY



Approved By: _____ Date: 9/2/03

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